

### Abstract of the Disclosure

A liquid phase oxidation reactor is provided. The liquid phase oxidation reactor includes: a substantially cylindrical reaction vessel having an interior space of a predetermined volume; a lid combined with the reaction vessel on top of the reaction vessel; one or more stirring blades disposed within the reaction vessel and rotating by a driving source disposed on the outside of the reaction vessel; a liquid phase supplying line disposed at a sidewall of the reaction vessel for supplying a liquid phase reactant to the reaction vessel; a liquid phase discharging line disposed at a sidewall of the reaction vessel for draining a product obtained through a chemical reaction out of the reaction vessel; a gas feed nozzle formed in a bent shape for supplying an oxygen containing gas to the reaction vessel; and an angle adjusting means for supporting the gas feed nozzle so that the gas feed nozzle is turned so that the outlet thereof faces one of the stirring blades or the interior sidewall of the reaction vessel.